

## Guide for Selection of Water Quality Test Packages & Codes

For (Purpose), Given Source;	And Context	We Recommend:
<b>Drinking Purpose (Potability):</b>		
Municipal supply	First sample	CPT
	Follow-up sample	BPT / BCT / CPT
Groundwater / Tankers	First sample	GPT
	Follow-up sample	BPT / GPT
<b>Choosing point-of-use water purifier design:</b>		
Municipal supply	As feed water	CPT
Groundwater	As feed water	GPT
<b>Functional status of domestic water purifiers &amp; candle filters:</b>		
Municipal supply	Paired tests of Feed water &	CPT/BPT of feed & output
Groundwater	purifier Output	GPT (feed) & ROP (output)
<b>RO / Bottled water plant design:</b>		
Groundwater / Tankers / Mixed (municipal + borewell)		GPT
<b>Bottled / Canned / Packaged Drinking Water Potability:</b>		
		ROP / BWP
<b>RO plant performance &amp; calibration of RO-UV mixed design plants:</b>		
Paired tests of Feed & plant Output		GPT (feed) & BWP/ROP (output)
<b>Food processing, Raw fruit &amp; vegetable washing &amp; FSSAI License, Bakery, Namkeens, Milk products, Sweets, Beverages:</b>		
Municipal supply		CPT
Groundwater		GPT
RO product / Bottled water		ROP / BWP
<b>Ice (Ice cubes, Ice blocks, crushed ice, etc.):</b>		
		GPT
<b>Domestic use &amp; general purpose; but no drinking! Or to know chemical Quality of water:</b>		
Municipal supply		CPT / TQT / BQT
Groundwater		GPT / GQT
Surface water	Pond, tank, lake, etc.	SBP / GPT / SQT
<b>Dental Clinic:</b>		
Municipal supply / Groundwater / RO / Bottled water		GPT / BWP / ROP
<b>Distilled Water / Deionised Water Acceptance Testing:</b>		
		ECH
<b>Water Infrastructure for Dialysis Units</b>		
Municipal supply /	Feedwater for captive RO	DRF
Groundwater / Tankers	plant in dialysis units	
Captive RO plant	Dialysis Water	DLB, DLC, BET
<b>LAL Assay</b>		
Parenterals	Pyrogen testing	BET
<b>Swimming pool water safety:</b>		
Municipal / Borewell / Mixed	Quality assurance & Compliance monitoring	PST, PWC, PWB
<b>Poultry &amp; Livestock:</b>		
Municipal supply		CPT
Groundwater		GPT
Surface water		SBP
<b>Fisheries &amp; Aquatic Conservation:</b>		
Surface water (Tanks, Lakes, Reservoirs, Rivers etc.)		SBP, SOD, SQT

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<b>Aquarium:</b>		
Municipal supply		CPT
Groundwater		GPT
<b>Agriculture, Horticulture &amp; Gardening:</b>		
Municipal supply		TQT / CPT
Groundwater		GQT / GPT
Surface water		SQT / SBP
<b>Hydroponics:</b>		
RO / Bottled water		ROP / BWP
<b>Aquatic Ecosystem Conservation:</b>		
Rivers, Streams, Tanks, Lakes, Urban Water Bodies, Reservoirs, etc.		SBP, SQT, SOD
<b>Seepage / Grey water:</b>		
Waste water of unknown origin	Identify possible source & explore potential use, if any.	GPT / SBP
<b>Industrial Effluents:</b>		
Grain / Food & Fruit processing; Dairy- / Fermentation- / Starch- Industry, Slaughter houses, etc.		EWT
<b>Sewage Treatment Plants (STPs):</b>		
STP Effluents	Monitoring treatment efficacy & environmental safety by municipal / hospital / hotel / campus sewage treatment utilities.	STE
<b>Identification of sewage back flow problem in water distribution systems:</b>		
Proximal (anterior) & distal (posterior) samples from distribution system segments.	Paired tests of anterior & posterior samples taken during same supply time.	BSV of anterior sample & BSV of posterior sample
<b>Beauty Salon:</b>		
Municipal / Borewell / RO		CPT / GPT / BWP / ROP
<b>Building &amp; Construction:</b>		
Groundwater / surface water / Tankers / Municipal supply	Concrete mix Drinking water for workers	WBC BPT / CPT / GPT+
<b>Boilers, cooling towers etc.:</b>		
Municipal / Borewell / Tanker	Corrosion risk	WCT

### Codes:

BCT	Bacteria-Coliform Tests	GQT	Groundwater Quality Tests
BET	Bacterial Endotoxin Test	PST	Swimming Poolside Tests
BPT	Basic Potability Tests	PWB	Pool Water Bacteriological analysis for Coliforms
BQT	Basic Quality Tests	PWC	Pool Water Chemistry
BSV	Basic System Vulnerability Tests	ROP	RO product water Profile
BWP	Bottled Water Potability	SOD	Surface water Oxygen Demand
CPT	Complete Potability Tests	SBP	Surface water Basic Profile tests
DLB	DiaLysis water Basics	SQT	Surface water Quality Tests
DLC	DL Basics & Contaminants	STE	Sewage Treatment plant Effluent
DRF	Dialysis RO system Feed water	TQT	Tap water Quality Tests
ECH	Electrical Conductivity & pH	WBC	Water for Building & Construction
EWT	Effluent Water Tests	WCT	Water corrosivity Tests
GPT	Groundwater Potability Tests		